Message

From: Reiter, Maryanne [maryanne.reiter@weyerhaeuser.com]
Sent: 12/7/2018 8:17:54 PM
To: Hodgkiss, Miranda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d441ddb44ac4ed486058d2c2690b977-Hodgkiss, Miranda]
Subject: RE: Temperature and Sediment Data in the Deschutes Watershed
Attachments: Deschutes_2018.pdf

Flag: Follow up

Hi Miranda, here is a map of our stations and a brief description of what data we collect.

The 4 long-term Deschutes water quality/quantity sampling equipment were upgraded in 2006 and 2 new stations were added to capture the influence of glacial sediments on water quality patterns. Prior to the upgrade in 2006 turbidity was collected using a pump sampler with samples taken back to the lab for measurements. Stage and temperature were every 15 to 30 min depending on the time frame.

Turbidity: the turbidity is currently collected using Threshold Turbidity Samplers (TTS) using an optical sensor that reads and records the turbidity every 10 minutes. If the value and if it is above a certain threshold, the automatic pump sampler draws a water sample from the stream.

Suspended Sediment Concentrations: when the turbidity threshold is exceeded a water sample is collected in an ISCO automatic pump sampler as indicated above. These samples are brought back to the lab and SSC is measured.

Temperature: water temperature is collected every 10 min.

Stream stage: collected every 10 min. Discharge measurements are also collected in order to maintain a robust rating curve.

Climate Station: air temperature, rainfall etc. are collected at 2 stations in the watershed.

Please let me know what parameters and time frame you are interested in.

Maryanne

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